

Application Serial No. 09/980,271 - Filed November 30, 2001

### **IN THE CLAIMS**

A list of the pending claims is presented below.

1. (Previously Presented) A system for authenticating a PIN code of a user in an interactive information system in order to run an application, the system comprising:
  - an input device for entering a PIN code of a user;
  - a security manager configured to:
    - receive a request for user authentication from the application;
    - compare a received PIN code of the user with a registered PIN code, in response to said request;
    - supply information to the application about PIN code entering key-pressing operations by the user, wherein the entered PIN code is not supplied to the application; and
    - give authorization to run said application if the PIN code of the user matches the registered PIN code;wherein the application is configured to present a PIN entry field, wherein crypted information corresponding to said information about PIN code entering key-pressing operations received from the security manager is displayed in the PIN entry field.
2. (Previously Presented) A system according to claim 1 wherein the application comprises a television program.
3. (Previously Presented) A system according to claim 1, wherein the application comprises a service provided on a mobile telephone.
4. (Previously Presented) A method for authenticating a PIN code of a user in an interactive information system, in order to run an application, the method comprising:
  - receiving a request from a user to run the application;
  - the application presenting a PIN entry field in response to said request;

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a security manager;

receiving a request for user authentication from the application;

supplying information to the application about PIN code entering key-  
pressing operations by the user, wherein the entered PIN code is not  
supplied to the application;

comparing an entered PIN code of the user with a registered PIN code;

giving authorisation to run said application if the PIN code of the user  
matches the registered PIN code;

wherein the application is configured to present in the PIN entry field crypted  
information corresponding to the information about PIN code entering key-  
pressing operations received from the security manager.

5. (Previously Presented) A method according to claim 4, further comprising:

the application asking the security manager to enter a PIN entry mode;

checking if keys are pressed by the user;

responsive to keys being pressed, giving feedback in entering said crypted digits  
in said PIN entry field; and

if the user is authenticated by said security manager, giving said authorisation to  
run the application.

6. (Previously Presented) A method according to any of claims 4 and 5, wherein the  
method further comprises the security manager initializing to empty a PIN repertory;  
waiting for a key to be pressed by the user;

upon occurrence of pressing an ending key, checking if a release occurs;

checking the entered PIN against the user's PIN; and

if the entered PIN matches the user's PIN, authorising the application to run.

7. (Previously Presented) A method according to any of claims 4 to 6, wherein the  
application comprises a television program.

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8. (Previously Presented) A method according to any of claims 4 to 6, wherein the application comprises a service provided on a mobile telephone.
9. (Previously Presented) A computer readable medium comprising executable instructions for authenticating a PIN code of a user in order to run an application, wherein the program instructions are operable to:
- receive a request for user authentication from the application;
  - compare a received PIN code of the user with a registered PIN code, in response to said request;
  - supply information to the application about PIN code entering key-pressing operations by the user, wherein the entered PIN code is not supplied to the application; and
  - give authorization to run said application if the PIN code of the user matches the registered PIN code;
- wherein the application is configured to present a PIN entry field, wherein crypted information corresponding to said information about PIN code entering key-pressing operations received from the security manager is displayed in the PIN entry field.
10. (Previously Presented) A computer readable medium according to claim 9, wherein the application comprises a television program.
11. (Previously Presented) A computer readable medium according to claim 9, wherein the application comprises a service provided on a mobile telephone.